AUTODOC CLUB

How to change front brake caliper on **AUDI A3 Hatchback (8L1)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

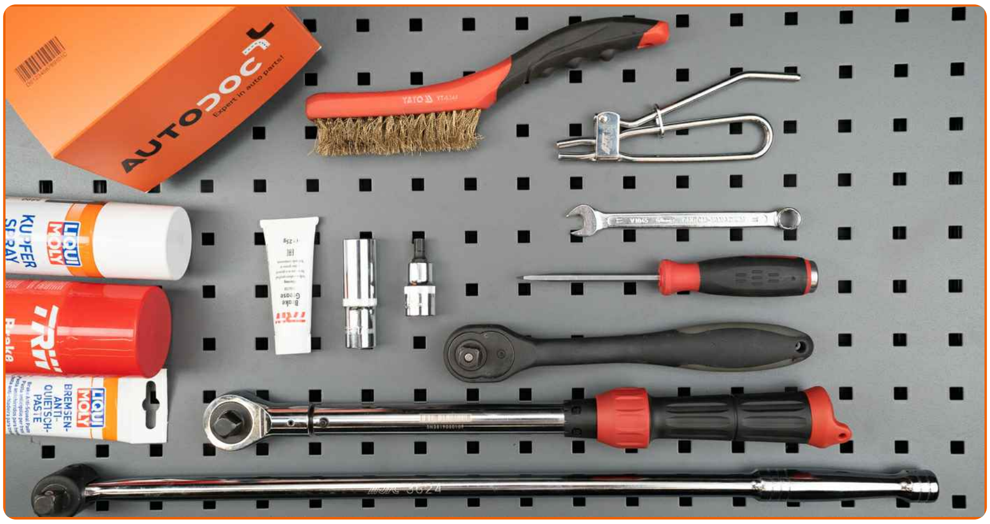
Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.9 TDI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Caddy III Estate (2KB, 2KJ, 2CB, 2CJ) 1.4

REPLACEMENT: BRAKE CALIPER – AUDI A3 HATCHBACK (8L1). TOOLS YOU'LL NEED:



- Torque wrench
- Wire brush
- HEX bit No.H7
- Combination spanner #11
- Brake cleaner
- Copper grease
- Flat Screwdriver
- Fluid container
- Anti-squeal paste
- Wheel impact socket #17
- Crow bar
- Wheel chock
- Ratchet wrench
- Brake hose clip

Buy tools

Replacement: brake caliper – AUDI A3 Hatchback (8L1). Tip from AUTODOC experts:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Please note: all work on the car – AUDI A3 Hatchback (8L1) – should be done with the engine switched off.

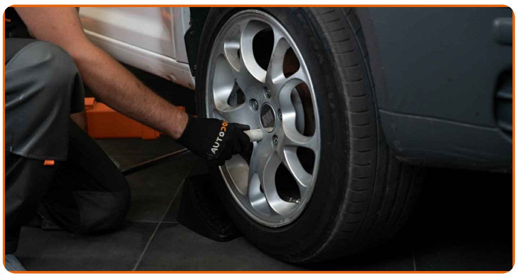
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4 Raise the front of the car and secure on supports.



5 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A3 Hatchback (8L1)

6 Remove the wheel.



7 Turn the steering knuckle to the right to get access to the brake hose bolt and brake pad wear sensor.



Please note!

- If you use a jack, doing step #7 is impossible.

8

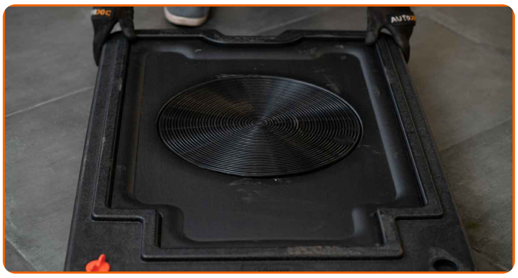
Disconnect the ABS sensor electric socket. Disconnect the brake pad wear sensor plug. Remove the ABS sensor connector. Remove the connector of the brake pad wear sensor.

Please note!

- Some cars are not equipped with the brake pad wear sensor.

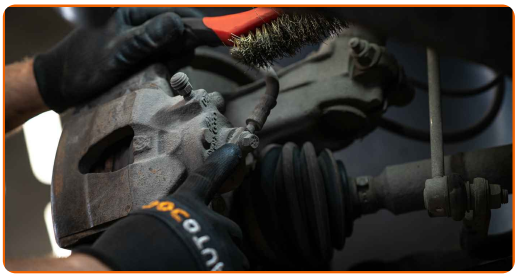
9

Put a container for gathering brake fluid beneath.



10

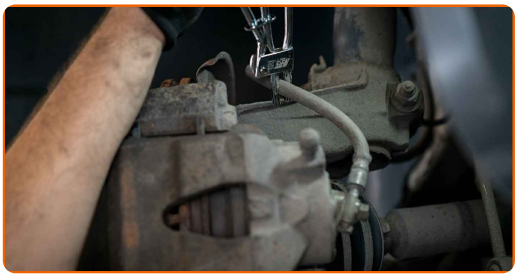
Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a brake cleaner.



Replacement: brake caliper – AUDI A3 Hatchback (8L1). Tip:

- After applying the spray, wait a few minutes.

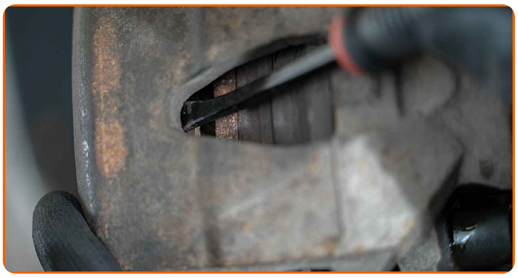
11 Clamp the brake hose off using a brake hose clamp.



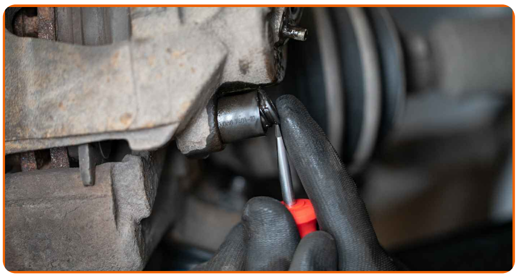
12 Unscrew the brake hose from the brake caliper. Use a combination spanner #11. Move the brake hose aside. Tie the brake hose to the car body with a hook or a piece of wire.



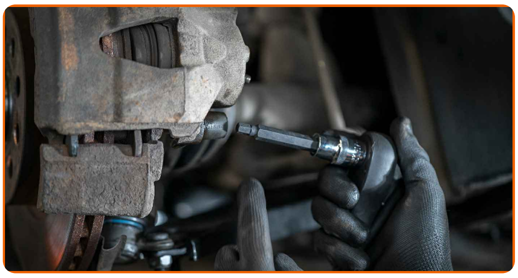
13 Spread the brake pads. Use a crowbar.



14 Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



15 Unscrew the brake caliper fastening. Use HEX No.H8. Use a ratchet wrench.



16 Remove the brake caliper.



Replacement: brake caliper – AUDI A3 Hatchback (8L1). AUTODOC recommends:

- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- If going to use the old brake pads, clean them.

17 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Treat the brake caliper bracket. Use a brake cleaner.

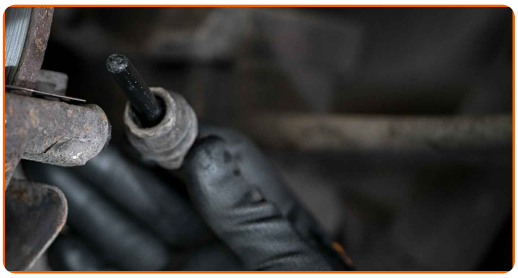


AUTODOC recommends:

- Replacement: brake caliper – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

18 Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.

19 Remove the guide pins from the brake caliper.

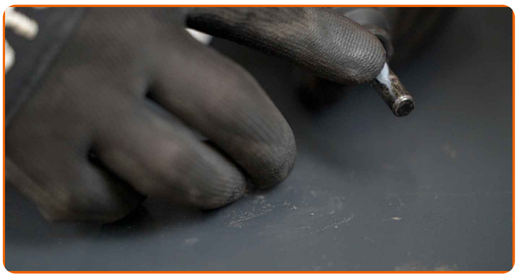


20 Clean old grease and rust stains, if there are any, from the caliper guide pins and guide pin boots. Use a brake cleaner.

Replacement: brake caliper – AUDI A3 Hatchback (8L1). Tip:

- After applying the spray, wait a few minutes.

21 Lubricate guide pins with special brake grease.



AUTODOC recommends:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

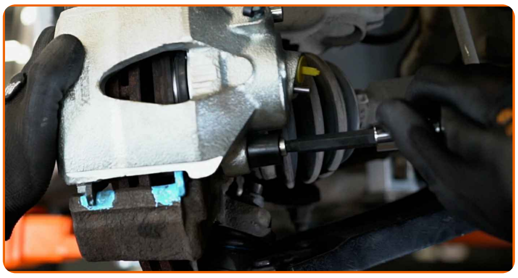
22 Install the brake caliper together with the pads.



Please note!

- Install the brake caliper starting with its lower part.

23 Screw in the guide pins.



Replacement: brake caliper – AUDI A3 Hatchback (8L1). Tip from AUTODOC:

- Hold up the brake caliper.

24 Tighten the guide pins. Use HEX No.H8. Use a torque wrench. Tighten it to 30 Nm torque.



25 Clean dirt from the brake hose bolt. Use a brake cleaner.



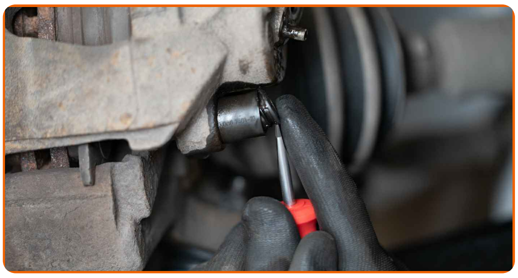
AUTODOC recommends:

- Replacement: brake caliper – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

26 Install and fix the brake hose into a new caliper. Use a torque wrench. Tighten it to 35 Nm torque.



27 Install the dust boot caps of the brake caliper guide pins.



28 Connect the ABS sensor electric socket. Connect the brake pad wear sensor plug.

Replacement: brake caliper – AUDI A3 Hatchback (8L1). AUTODOC experts recommend:

- Bleed the brake caliper system.

29 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



30 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. AUDI A3 Hatchback (8L1)

31 Screw in the wheel bolts. Use wheel impact socket #17.



32 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



33 Remove the jacks and chocks.



Replacement: brake caliper – AUDI A3 Hatchback (8L1). Professionals recommend:

- Important! Replacement: brake caliper – AUDI A3 Hatchback (8L1). Check the brake fluid level in the reservoir and top up if necessary.

34 Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE!

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DISCLAIMER:

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